

## ABSTRACT OF THE DISCLOSURE

This invention relates to a measuring electrode arrangement (1), in particular for electrimpedance tomography, having at least one measurement object (5) for electric motor contacting of a measurement object (2). It is proposed that a storage space (7) 5 which contains a contact medium (6) for reducing the electric contact resistance between the measuring electrode (5) and the measurement object (2) is located on the side of the measuring electrode (5) facing away from the measurement object (2), said storage space containing a contact medium (6) for reducing the electric contact resistance between the measuring electrode (5) being at least partially permeable for the 10 contact medium (6).